Name: _____   Date: _____
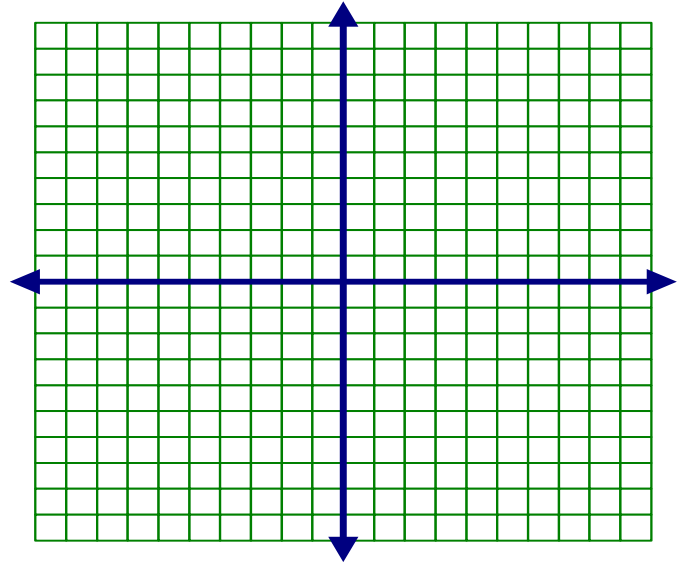7/8A   Classwork 10.7

Systems of Equations Review

1) Solve the following system graphically.

   x + 2y = 12   y = 2x + 6

2) Solve the following system algebraically using the substitution method.

   $$-2x + 3y = 9 \qquad\qquad y = 2x + 7$$

3) Solve the following system algebraically using the elimination method.

   $$4x - 2y = -14$$
   $$-2x + 3y = 9$$

4)   Solve the following system algebraically.

$$4x + 8y = 20$$
$$-2x + y = -15$$

State the method you are using to solve:_____

5)   A store sells movies and books for the same amount. Chris bought two movies and three books for $54. At the same store, Peter bought three movies and one book for $53. Find the cost of one movie and one book.

6)   Zoey has 26 coins that total $2.66 in a coin jar. The coins are only quarters and pennies. How many of each coin are in the jar?